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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/785,657	02/24/2004	David James Clarke	ID-913 (80232)	2706

27975 7590 02/09/2005

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EXAMINER

ESCALANTE, OVIDIO

ART UNIT PAPER NUMBER

2645

DATE MAILED: 02/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/785,657

Applicant(s)

CLARKE ET AL.

Examiner

Ovidio Escalante

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 20 December 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-44 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-44 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 12/20/04.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### **DETAILED ACTION**

1. This action is in response to applicant's amendment filed on March 29, 2004. **Claims 1-44** are now pending in the present application.

#### ***Drawings***

2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: page 9, line 12 mentions reference character "12". Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

#### ***Information Disclosure Statement***

3. The information disclosure statement submitted on December 27, 2004 was received. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly the information disclosure statement is being considered by the examiner.

#### ***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

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(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-4,6,10-19,21-24,29-32,34,37,39-44 are rejected under 35 U.S.C. 102(e) as being anticipated by Poor et al. US Patent Pub. 2002/0183080 A1.

***Regarding claim 1***, Poor teaches an interface device for a communications system (abstract; paragraph 0009) comprising:

a proxy operative as an agent for communicating with a plurality of mobile wireless devices (10) using different operating protocols, (paragraphs 0009,0010 and 0020); and

a device information module (intermediate system 12; paragraphs 0025 and 0026) operative with the proxy for determining functional features of a wireless mobile communications device and selecting a configuration file (paragraphs 0022,0024 and 0027) for configuring the proxy to interface with the wireless mobile communications device (paragraphs 0010 and 0027) and enable communications of any desired alerts, (paragraphs 0029 and 0030).

***Regarding claim 2***, Poor, as applied to claim 1, teaches wherein said device information module is operative for determining functional features of the wireless mobile communications device by intermediate proxies and header information, (paragraphs 0026-0028).

***Regarding claim 3***, Poor, as applied to claim 1, teaches wherein said device information module is operative for determining which functional features are enabled for different wireless mobile communications devices, (paragraphs 0010 and 0027).

***Regarding claim 4***, Poor, as applied to claim 1, teaches a configuration file database operative with said device information module for storing configuration files used for configuring the proxy based on functional features of the wireless mobile communications

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device, (paragraphs 0025-0027).

***Regarding claim 6***, Poor, as applied to claim 1, teaches a knowledge database for storing data relating to functional features of different wireless mobile communications devices, (paragraphs 0027).

***Regarding claim 10***, Poor, as applied to claim 1, teaches wherein said data storage devices comprise servers that store email messages, (paragraphs 0028 and 0029).

***Regarding claims 11,27 and 37***, Poor teaches a communications system comprising:  
a plurality of data storage devices each using at least one of a plurality of operating protocols, (paragraphs 0009, 0010 and 0020; fig. 1);

a wireless mobile communications device (10) for accessing at least one of said plurality of data storage devices, (paragraphs 0009,0010,0020 and 0029); and

an interface device comprising:

a protocol engine module for communicating with said plurality of data storage devices using respective operating protocols, (paragraphs 0010, 0025 and 0026),

a proxy coupled to said protocol engine and operative as an agent for communicating with said plurality of mobile wireless devices using at least one different operating protocol, (paragraphs 0009, 0010 and 0020), and

a device information module operative with said proxy for determining functional features of a wireless mobile communications device, (paragraphs 0025 and 0026) and selecting a configuration file (paragraphs 0022 and 0026) for configuring the proxy to interface with the wireless mobile communications device and enable communications of any desired alerts, (paragraphs 0029 and 0030).

***Regarding claim 12***, Poor, as applied to claim 11, teaches wherein said device information module is operative for determining functional features of the wireless mobile communications device by intermediate proxies and header information, (paragraphs 0026 and 0027).

***Regarding claim 13***, Poor, as applied to claim 11, teaches wherein said device information module is operative for determining which functional features are enabled for different wireless mobile communications devices, (paragraph 0010).

***Regarding claim 14***, Poor, as applied to claim 11, teaches a configuration file database operative with said device information module for storing configuration files used for configuring the proxy based on determined functional features of the wireless mobile communications device, (paragraphs 0025 and 0026).

***Regarding claim 20***, Poor, as applied to claim 11, teaches wherein said data storage devices comprise servers that store email messages, (paragraph 0028).

***Regarding claims 21 and 32***, Poor, teaches a method of communicating with a wireless mobile communications device (10) comprising the steps of:

receiving communications from a wireless mobile communications device (10),  
(paragraphs 0009 and 0010);

determining functional features of the wireless mobile communications device based on header information and intermediate proxies, (paragraphs 0026-0028);

selecting a configuration file, (paragraphs 0022 and 0024); and

configuring a communications interface with the wireless mobile communications device based on the determined functional features to enable communications of any desired alerts to

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the wireless mobile communications device, (paragraphs 0029 and 0030); and  
obtaining and storing new data regarding functional features of wireless mobile communication devices, (paragraphs 0026).

***Regarding claim 22***, Poor, as applied to claim 21, teaches the step of determining functional features of the wireless communications device by reviewing intermediate proxies and header information received from the wireless mobile communications device, (paragraphs 0026-0028).

***Regarding claims 16 and 23***, Poor, as applied to claim 21, teaches maintaining a knowledge database for determining functional features of the wireless mobile communications device, (paragraphs 0026).

***Regarding claims 24 and 34***, Poor, as applied to claims 21 and 32, teaches the step of configuring a WAP gateway through which alerts are sent to the wireless mobile communications device, (paragraph 0007).

***Regarding claims 29 and 39***, Poor, as applied to claim 29, teaches storing information regarding the wireless mobile communication device for future processing when further features of a wireless mobile communication device are obtained, (paragraphs 0025-0027).

***Regarding claims 30 and 40***, Poor, as applied to claim 31, teaches matching a configuration file with the functional features of the wireless mobile communication device, (paragraphs 0022 and 0026).

***Regarding claims 31 and 41***, Poor, as applied to claim 30, teaches loading the configuration file within a device information module of a proxy after determining functional features of the wireless mobile communications device, (paragraphs 0022, 0026, 0029-0030).

**Regarding claim 42**, Poor teaches a computer-readable medium for interfacing at least one wireless mobile communications device (10) and a data storage device comprising:

a proxy module operative as an agent for communicating with said plurality of mobile wireless communications devices using at least one different operating protocol, (paragraphs 0009, 0010 and 0020); and

a device information module (intermediate system 12; paragraphs 0025 and 0026) operative with the proxy module for determining functional features of a wireless communications mobile communications device and selecting a configuration file (paragraphs 0022 and 0024) for configuring the proxy module to interface with a wireless mobile communications device and enabling communications of any desired alerts, (paragraphs 0029 and 0030).

**Regarding claim 43**, Poor, as applied to claim 42, teaches a protocol engine module for communicating with a plurality of data storage devices using respective operating protocols, (paragraphs 0009, 0010 and 0020).

**Regarding claim 44**, Poor, as applied to claim 42, teaches a device information module operative for determining what functional features are enabled for different wireless mobile communications devices, (paragraphs 0025 and 0026).

### ***Claim Rejections - 35 USC § 103***

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.



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7. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

8. Claims 5,7,15,17, 25,26,33,35 and 36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Poor et al. US Patent Pub. 2002/0183080 A1 in view of Wedeking US Patent 6,600,915 B1.

***Regarding claims 5,7,15,17, 25,26,33,35 and 36***, Poor teaches of selecting a configuration file of a specific wireless communication device. Poor does not specifically teach wherein said device information module is operative for determining the brand of the wireless mobile communications device.

In the same field of endeavor, Wedeking teaches that it was well known to determine the brand/carrier type of the wireless mobile communication device, (figs. 7 and 8) and wherein the database includes data relating to the device type and brand of different wireless mobile communications devices, (col. 2, lines 36-42; col. 3, lines 49-58; col. 8, lines 37-39).

Therefore, it would have been obvious for one of ordinary skill in the art to modify the system of Poor by determining the brand of the wireless communication device as taught by Wedeking so that the system can identity the type of telecommunication carrier and thus can use the information to determine which configuration file to select.

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9. Claims 8,9,18,19,28 and 38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Poor et al. US Patent Pub. 2002/0183080 A1 in view of Cates et al. US Patent Pub. 2004/0024853 A1.

*Regarding claims 8,9,18,19,28 and 38*, Poor, as applied to claims 1 and 6, teaches of a database storing data for known devices and selecting a configuration. Poor does not specifically teach wherein said database includes data relating to unknown devices used for selecting a default configuration.

In the same field of endeavor, Cates teaches that it was well known in the art to have a database which includes data relating to unknown devices used for selecting a default configuration, (paragraphs 0036 and 0041).

Therefore, it would have been obvious for one of ordinary skill in the art to modify the system of Poor by having a default configuration for unknown devices as taught by Cates so that the system will be able to process calls for both unknown and unknown devices.

### ***Conclusion***

10. Any response to this action should be mailed to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

or faxed to:

(703) 872-9306, (for formal communications intended for entry)

Or:

(703) 872-9306, (for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to:

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220 20<sup>th</sup> Street S.  
Crystal Plaza two, Lobby, Room 1B03  
Arlington, VA 22202

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ovidio Escalante whose telephone number is 703-308-6262 (571-272-7537 After March 22, 2005). The Examiner can normally be reached on M-F (6:30AM - 5:00PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan S Tsang can be reached on 703-305-4895 (571-272-7547 After March 22, 2005). The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**OVIDIO ESCALANTE**  
**PATENT EXAMINER**

*Ovidio Escalante*

Ovidio Escalante  
Examiner  
Group 2645  
January 31, 2005

O.E./oe